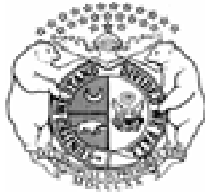


STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0097543

Owner: Fred Weber, Inc.
Address: 2320 Creve Coeur Mill Road, Maryland Heights, MO 63043

Continuing Authority: Same as above
Address: Same as above

Facility Name: Fred Weber - Landfill & Compost
Address: 2320 Creve Coeur Mill Road, Maryland Heights, MO 63043

Legal Description: See page 2

Receiving Stream: See page 2
First Classified Stream and ID: See page 2
USGS Basin & Sub-watershed No.: See page 2

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

See page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

July 12, 2002 September 15, 2006
Effective Date Revised Date

A handwritten signature in black ink that reads "Doyle Childers".

Doyle Childers, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

July 11, 2007
Expiration Date
MO 780-0041 (10-93)

Mike Struckhoff, Director, St. Louis Regional Office

Facility Description:

<u>OUTFALL 11</u>	General Location: Legal Description Latitude/Longitude Receiving Stream USGS Basin Tributary operations	Southernmost portion of landfill, southwest of the asphalt plants Survey 992, T46N, R5E, St. Louis County N38.7372, W90.4644 Fee Fee Creek(New)(P)(01704), tributary to Missouri River 10300200-130-004 Quarry operations
<u>OUTFALL 12</u>	General Location: Legal Description Latitude/Longitude Receiving Stream USGS Basin Tributary operations	approximately 700 feet downstream of Outfall 11 Survey 992, T46N, R5E, St. Louis County N38.7392, W90.4656 Fee Fee Creek(New)(P)(01704), tributary to Missouri River 10300200-130-004 south landfill, quarry, concrete and asphalt operations, fabrication shop, RAP (reclaimed asphalt product) piles and grease trap discharge.
<u>OUTFALL 13</u>	General Location: Legal Description Latitude/Longitude Receiving Stream USGS Basin Tributary operations	approximately 500 feet downstream of Outfall 12 Survey 992, T46N, R5E, St. Louis County N38.7403, W90.4664 Fee Fee Creek(New)(P)(01704), tributary to Missouri River 10300200-130-004 quarry operations
<u>OUTFALL 14</u>	General Location: Legal Description Latitude/Longitude Receiving Stream USGS Basin Tributary operations	approximately 750 feet downstream of Outfall 13 Survey 992, T46N, R5E, St. Louis County N38.7411, W90.4689 Fee Fee Creek(New)(P)(01704), tributary to Missouri River 10300200-130-004 quarry operations and RAP piles.
<u>OUTFALL 15</u>	General Location: Legal Description Latitude/Longitude Receiving Stream USGS Basin Tributary operations	West of Quarry Entrance on west side of Earth city Expressway Survey 992, T46N, R5E, St. Louis County N38.7428, W90.4700 Fee Fee Creek(Old)(P)(01705), , tributary to Missouri River 10300200-180001 south landfill, north landfill, quarry compost operations and maintenance building
<u>OUTFALL 16</u>	General Location: Legal Description Latitude/Longitude Receiving Stream USGS Basin Tributary operations	South right-of-way of Interstate Drive at north end of quarry Survey 282, T46N, R5E, St. Louis County N38.7517, W90.4489 Fee Fee Creek(Old)(P)(01705), tributary to Missouri River 10300200-180-001 Highway drainage and general earthwork storm water runoff
<u>OUTFALL 17</u>	General Location: Legal Description Latitude/Longitude Receiving Stream USGS Basin Tributary operations	East right-of-way of Earth City Expressway, west of soil stockpiles Survey 282, T46N, R5E, St. Louis County N38.7450, W90.4658 Fee Fee Creek(Old)(P)(01705),, tributary to Missouri River 10300200-180001 soil stockpiles and Earth City Expressway drainage

Facility Description: (continued)

<u>OUTFALL 18</u>	General Location:	East right-of-way of Earth City Expressway, west of soil stockpiles
	Legal Description	Survey 282, T46N, R5E, St. Louis County
	Latitude/Longitude	N38.7472, W90.4636
	Receiving Stream	Fee Fee Creek(Old)(P)(01705),, tributary to Missouri River
	USGS Basin	10300200-180001
	Tributary operations	soil stockpiles, landfill entrance, and Earth city Expressway drainage
<u>OUTFALL 19</u>	General Location:	East right-of-way of Earth City Expressway, west of soil stockpiles
	Legal Description	Survey 282, T46N, R5E, St. Louis County
	Latitude/Longitude	N38.7500, W90.4619
	Receiving Stream	Fee Fee Creek(Old)(P)(01705), , tributary to Missouri River
	USGS Basin	10300200-180001
	Tributary operations	soil stockpiles, landfill entrance, and Earth city Expressway drainage

Previous permit MO-0097543 outfall descriptions: These numbers are no longer used to describe these locations.
To avoid confusion, new numbers were assigned to the outfalls.

Outfall #001 (included in current permit Outfall #012)

Legal Description:	U.S. Survey 992, T46N, R5E, St. Louis County
Receiving Stream:	Fee Fee Creek (P)
First Classified Stream and ID:	Fee Fee Creek (P) (01704)
USGS Basin & Sub-watershed No.:	(10300200-130004)

Outfall #002 (included in current permit Outfall #015)

Legal Description:	U.S. Survey 1891, T46N, R5E, St. Louis County
Receiving Stream:	Tributary to Missouri River (U)
First Classified Stream and ID:	Missouri River (P) (01604)
USGS Basin & Sub-watershed No.:	(10300200-180001)

Outfall #003 (included in current permit Outfall #015)

Legal Description:	U.S. Survey 283, T46N, R5E, St. Louis County
Receiving Stream:	Tributary to Missouri River (U)
First Classified Stream and ID:	Missouri River (P) (01604)
USGS Basin & Sub-watershed No.:	(10300200-180001)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 4 of 9	
					PERMIT NUMBER MO-0097543	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfalls 11, 13, 14, 16, 17, 18, 19: Non-Stormwater Discharges (see Note 1) Flow	GPD	*		*	**	24 hour estimate
Total Suspended Solids	mg/L	70		70	once/quarter***	grab
Oil and Grease	mg/L	15		10	once/quarter***	grab
pH - Units	SU	****		****	once/quarter***	grab
Stormwater Discharges (See Notes 2 and 3) Flow	GPD	*		*	once/year	24 hour estimate
Settleable Solids	mL/L/hr	1.5		1.0	once/year	grab
Oil and Grease	mg/L	15		10	once/year	grab
pH - Units	SU	****		****	once/year	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>January 28, 2007</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
 - ** Records shall be kept of all pumping events indicating the volume of discharge. Pumping time can be used to calculate this volume if up-to-date pump curves are developed.
 - *** Sample once per quarter during the months of March, June, September, and December.
 - **** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
 - ***** Annual sampling results shall be presented with the last quarterly monitoring report of each year. Sample should be performed during September if possible.
- Note 1: Non-stormwater discharges shall include wastewater generated from process-related activities such as truck washing, and all dry-weather discharges from processing plants. Wastewater from pumping of mine pits containing stormwater only shall be sampled annually in accordance with the requirements for "Stormwater Discharges."
- Note 2: Effluent limits for settleable solids are only effective for discharges resulting from rainfalls in amounts less than a 25-year, 24-hour event.
- Note 3: A representative grab sample shall be collected during the first hour of rainfall which exceeds 0.1 inches and results in a discharge.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS				PAGE NUMBER 5 of 9		
				PERMIT NUMBER MO-0097543		
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY TYPE	SAMPLE
<u>Outfalls #012 and 015</u> (Notes 2 and 3)						
Flow	MGD	*		*	once/quarter***	Instantaneous estimate
Rainfall	inches	*		*	daily measurement	grab
BETX	mg/L	0.75		0.75	once/quarter***	grab
Biochemical Oxygen Demand ₅	mg/L	60		45	once/quarter***	grab
Chemical Oxygen Demand	mg/L	120		90	once/quarter***	grab
Total Suspended Solids	mg/L	80		60	once/quarter***	grab
Settleable Solids	mL/L/hr	1.5		1.0	once/quarter***	grab
Total Dissolved Solids	mg/L	*		*	once/quarter***	grab
Conductivity (Specific Conductance)	micromhos /cm 25°C	*		*	once/quarter***	grab
Chloride Plus Sulfates	mg/L	1000		*	once/quarter***	grab
Iron, Total Recoverable	mg/L	*		*	once/quarter***	grab
pH - Units	SU	****		****	once/quarter***	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>January 28, 2007</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Records shall be kept of all pumping events indicating the volume of discharge. Pumping time can be used to calculate this volume if up-to-date pump curves are developed.
- *** Sample once per quarter during the months of March, June, September, and December.
- **** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

Note 2 : Effluent limits for settleable solids are only effective for discharges resulting from rainfalls in amounts less than a 25-year, 24-hour event.

Note 3: A representative grab sample shall be collected during the first hour of rainfall which exceeds 0.1 inches and results in a discharge.

					PAGE NUMBER 6 of 9	
A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PERMIT NUMBER MO-0097543	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY TYPE	SAMPLE
<u>Outfall #012 and 015 (Note 3)</u>						
Calcium	mg/L	*		*	once/year*****	grab
Fluoride	ug/L	*		*	once/year*****	grab
Total Hardness	ug/L	*		*	once/year*****	grab
Barium, Total Recoverable	ug/L	*		*	once/year*****	grab
Boron, Total Recoverable	ug/L	*		*	once/year*****	grab
Cadmium, Total Recoverable	ug/L	*		*	once/year*****	grab
Chromium, Total Recoverable	ug/L	*		*	once/year*****	grab
Cobalt, Total Recoverable	ug/L	*		*	once/year*****	grab
Copper, Total Recoverable	ug/L	*		*	once/year*****	grab
Sodium, Total Recoverable	ug/L	*		*	once/year*****	grab
Ammonia as N	mg/L	Note 4		Note 4	once/year*****	grab
Nitrate and Nitrite as N	mg/L	*		*	once/year*****	grab
Phosphorus, Total Recoverable	mg/L	*		*	once/year*****	grab
Mercury, Total Recoverable	ug/L	*		*	once/year*****	grab
Arsenic, Total Recoverable	ug/L	*		*	once/year*****	grab
Lead, Total Recoverable	ug/L	*		*	once/year*****	grab
MONITORING REPORTS SHALL BE SUBMITTED ANNUALLY ; THE FIRST REPORT IS DUE October 28, 2007 . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

***** Annual sampling results shall be presented with the last quarterly monitoring report of each year. Sample should be performed during September if possible.

Note 3: A representative grab sample shall be collected during the first hour of rainfall which exceeds 0.1 inches and results in a discharge.

Note 4: The discharge shall not exceed the appropriate values in Table B 10 CSR 20-7.031.

					PAGE NUMBER 7 of 9
A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PERMIT NUMBER MO-0097543
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:					
OUTFALL NUMBER AND EFFLUENT PARAMETER (S)	UNITS	FINAL EFFLUENT			MONITORING REQUIREMENTS
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT SAMPLE FREQUENCY TYPE
Outfall #012, 015 (continued) (Note 3)					
Selenium, Total Recoverable	ug/L	*		*	once/year***** grab
Silver, Total Recoverable	ug/L	*		*	once/year***** grab
Manganese, Total Recoverable	ug/L	*		*	once/year***** grab
Magnesium, Total Recoverable	ug/L	*		*	once/year***** grab
Zinc, Total Recoverable	ug/L	*		*	once/year***** grab
Antimony, Total Recoverable	ug/L	*		*	once/year***** grab
Beryllium, Total Recoverable	ug/L	*		*	once/year***** grab
Nickel, Total Recoverable	ug/L	*		*	once/year***** grab
Sulfate	mg/L	*		*	once/year***** grab
Thallium, Total Recoverable	ug/L	*		*	once/year***** grab
Total Organic Carbon	mg/L	*		*	once/year***** grab
Vanadium, Total Recoverable	ug/L	*		*	once/year***** grab
Oil and Grease	mg/L	15		10	once/year***** grab
MONITORING REPORTS SHALL BE SUBMITTED ANNUALLY ; THE FIRST REPORT IS DUE January 28, 2007 . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.					
B. STANDARD CONDITIONS					
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.					

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

***** Annual sampling results shall be presented with the last quarterly monitoring report of each year. Sample should be performed during September if possible.

Note 3: A representative grab sample shall be collected during the first hour of rainfall which exceeds 0.1 inches and results in a discharge .

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.
2. All outfalls must be clearly marked in the field.
3. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

 - (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
 - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
 - (c) That the effluent limit established in part A of the permit will be exceeded.
4. Report as no-discharge when a discharge does not occur during the report period.
5. Water Quality Standards
 - (a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
 - (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (5) There shall be no significant human health hazard from incidental contact with the water;
 - (6) There shall be no acute toxicity to livestock or wildlife watering;
 - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

C. SPECIAL CONDITIONS (continued)

6. Permittee shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP) for the facility in accordance with the guidelines described in Storm Water Management For Industrial Activities, Developing Pollution Prevention Plans and Best Management Activities, EPA document number EPA 832-R-92-006, published by the USEPA, September 1992, or other appropriate guidelines. The SWPPP must be kept on site. The SWPPP must include:
- (a) A listing of Best Management Practices (BMPs) to be implemented at the facility to control and minimize the amount of potential contaminants that may contact storm water.
 - (b) A schedule for implementing the BMPs.
 - (c) A schedule for a monthly site inspection and brief written report or inspection log. The report or log should include observations and evaluations of BMP condition, effectiveness, deficiencies, and corrective measures to be taken. Inspection reports must be kept on site and made available to MDNR personnel upon request.
 - (d) A provision to designate an individual as responsible for environmental matters.
 - (e) A provision for training all involved personnel in material handling and storage, and housekeeping of maintenance areas.